

Supplemental Preliminary Amendment
U.S. Patent Application No. 10/019,995

pertaining to the system is developed with the carrier as a moving phase, and during the development the reaction of cell-free protein synthesis is carried out, thereby obtaining the product.

11. (Amended) A method for cell-free protein synthesis in a system which is capable of recovering the synthesized product protein, characterized in that said system uses the preparation of claim 1 containing cell-extract for cell-free protein synthesis, the reaction vessel used in the system is prepared by dialysis, the material substance pertaining to the cell-free protein synthesis system and the product of the cell-free protein synthesis reaction are separated through dialysis membrane, thereby obtaining the product.

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13. (Amended) A preparation containing cell-extract for cell-free protein synthesis, characterized in that the preparation contains extract of wheat embryo obtained after subjecting a treatment including a process for washing the wheat embryo with nonionic surfactant to completely remove any endosperm contaminants from the wheat embryo, that a deadenination rate of the wheat extract is 1% or lower, the dry preparation of the wheat embryo extract maintains stability under room temperature; and that in a continuous cell-free protein synthesis involving a replenishment of the substrate and others for protein synthesis using said wheat extract, the synthesis shows constant performance even in 24th hour after starting the synthesis and shows at least 1 mg/ml or higher in synthesis level in said 24th hour.

REMARKS

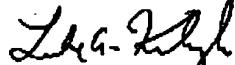
No questions of new matter are raised by the above amendment. Full support for the amendments exists in the application as originally filed. Entry of the above amendment is therefore respectfully requested.

If there are any fees due in connection with the filing of this Amendment, please charge the

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fees to deposit Account No. 50-0925. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such extension is requested and should also be charged to our Deposit Account.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

10. (Amended) A method [means] for cell-free protein synthesis in a system which is capable of recovering the synthesized product protein, characterized in that said system uses the [a] preparation of claim 1 containing cell-extract for cell-free protein synthesis, a reaction vessel used in the system is prepared with a carrier capable of molecular sieving, a material substance pertaining to the system is developed with the carrier as a moving phase, and during the development the reaction of cell-free protein synthesis is carried out, thereby obtaining the product.

11. (Amended) A [The] method [means] for cell-free protein synthesis in a system which is capable of recovering the synthesized product protein, characterized in that said system uses the preparation of claim 1 containing cell-extract for cell-free protein synthesis, [according to claim 10, wherein] the reaction vessel used in the system is prepared by dialysis, the material substance pertaining to the cell-free protein synthesis system and the product of the cell-free protein synthesis reaction are separated through dialysis membrane, thereby obtaining the product [and the synthesized protein can be recovered].

13. (Amended) A preparation containing cell-extract for cell-free protein synthesis, characterized in that the preparation contains extract of wheat embryo obtained after subjecting a treatment including a process for washing the wheat embryo with nonionic surfactant to completely remove any endosperm contaminants from the wheat embryo, that a deadenination rate of the wheat extract is 1% [0.1%] or lower, the dry preparation of the wheat embryo extract maintains stability under room temperature; and that in a continuous cell-free protein synthesis involving a replenishment of the substrate and others for protein synthesis using said wheat extract, the synthesis shows constant performance even in 24th hour after starting the synthesis and shows at least 1 mg/ml or higher in synthesis level in said 24th hour.